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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-7 (canceled)
- (amended) A CMOS bit decoder as in claim 36 [[7]], wherein said bit decoder is a 8. CMOS-bit-decoder-and said pulse stretcher comprises:
 - a delay receiving a local clock and passing a delayed clock; and
- a NAND gate receiving said local clock and said delayed clock and providing stretched said clock pulses.
- 9. (amended) A CMOS bit decoder as in claim 8, wherein said NAND gate is a 2 input NAND gate and said delay is a group of series connected inverters.
- 10. (canceled)
- (amended) A CMOS bit decoder as in claim 36 [[10]], wherein said write driver 11. comprises:
- a second pseudo latch FET connected between said supply and said decode out; and
- a decode out inverter driving said column select pulses and connected to the gate of said second pseudo latch FET, said decode out being an input to said decode out inverter.

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- 12. (original) A CMOS bit decoder as in claim 11, wherein each of said decode out FET and said second of said complementary pair are N-type FETs and each of said restore FET, said first of said complementary pair, said first pseudo latch FET and said second pseudo latch FET are P-type FETs.
- 13. (original) A CMOS bit decoder as in claim 12, wherein said n-bit address decode comprises n parallel NFETs connected between said decode node and said common source node and said decode out inverter comprises a pair of parallel PFETs.
- 14. (canceled)
- 15. (amended) A <u>CMOS</u> RAM as in claim <u>37</u> [[14]], wherein said write select comprises:
 - a pulse stretcher stretching clock pulses;
- a READ/WRITE decode selectively passing stretched said clock pulses responsive to a write select signal; and
- a write driver receiving passed said stretched clock pulses and driving said write select pulses responsive to received said stretched clock pulses.
- 16. (amended) A <u>CMOS</u> RAM as in claim 15, wherein said RAM is a CMOS RAM and said READ/WRITE decode is a dynamic decode comprising:
- a pair of series connected complementary field effect transistors (FETs), stretched said clock pulses being connected to the gates of said pair, a common drain connection of said pair being a READ/WRITE decode output; and
 - at least one write enable FET, selectively providing a path to ground for said pair.
- 17. (original) A CMOS RAM as in claim 16, wherein said write driver comprises: a pseudo latch P-type FET (PFET), said READ/WRITE decode output being connected to the drain of said pseudo latch PFET; and

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a first inverter, said READ/WRITE decode output being an input to said first inverter.

18. (original) A CMOS RAM as in claim 17, said write driver further comprising a second inverter driving said write select pulses, an output of said first inverter being an input of said second inverter.

19 and 20 (canceled)

21. (amended) A CMOS RAM as in claim <u>37</u> [[20]], wherein said write driver comprises:

a second pseudo latch FET connected between said supply and said decode out; and

a decode out inverter driving said column select pulses and connected to the gate of said second pseudo latch FET, said decode out being an input to said decode out inverter.

- 22. (original) A CMOS RAM as in claim 21, wherein each of said decode out FET and said second of said complementary pair are N-type FETs and each of said restore FET, said first of said complementary pair, said first pseudo latch FET and said second pseudo latch FET are P-type FETs.
- 23. (original) A CMOS RAM as in claim 22, wherein said n-bit address decode comprises n parallel NFETs connected between said decode node and said common source node and, said decode out inverter comprises a pair of parallel P FETs.
- 24. (amended) A <u>CMOS</u> RAM as in claim <u>37</u> [[19]], wherein each said pulse stretcher comprises:
 - a delay receiving a local clock and passing a delayed clock; and

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a NAND gate receiving said local clock and said delayed clock and providing stretched said clock pulses.

- 25. (original) A RAM as in claim 24, wherein said delay in said write select is twice as long as said delay in said bit decoder.
- 26. (original) A RAM as in claim 25, wherein each said NAND gate is a 2 input NAND gate and each said delay is a group of series connected inverters.
- 27. (original) A RAM as in claim 25, wherein said column select pulses are wider than word line pulses provided to said selected word line by said word decoder.
- 28. (original) A RAM as in claim 27, wherein said plurality of memory cells are static RAM (SRAM) cells.
- 29. (amended) A RAM as in claim 28 [[27]], wherein said SRAM cells are 2 port SRAM cells.
- 30. (original) A RAM as in claim 27, wherein said RAM is an SRAM macro on an integrated circuit (IC) chip.
- 31. (amended) A CMOS integrated circuit (IC) chip including a static random access memory (SRAM), said SRAM comprising:

an array comprising a plurality of SRAM cells organized as a plurality of rows and columns;

a word decoder selectively providing a word line pulse to a word line selected from one of said rows, said word line pulse being synchronized to a local clock, said word decoder pulsing the selected said word line responsive to an access request;

a bit decoder comprising:

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a pulse stretcher stretching clock pulses,

a <u>dynamic</u> bit decode selectively passing stretched said clock pulses responsive to a column address[[,]] said dynamic bit decode comprising:

an n bit address decode connected between a decode node and a common source node,

a restore FET connected between a supply and said decode node,
a complementary pair of enable FETs, a first of said
complementary pair being connected between said supply and a decode
out of said bit decode, a second of said complementary pair being
connected between a supply return and said common source node, the gate
of said restore FET and of each of said complementary pair being
connected to an output of said pulse stretcher,

a decode out FET connected between said decode out and said enable node, said decode node being connected to the gate of said decode out FET, and

a first pseudo latch FET connected between said supply and said decode node and gated by said decode out, and

a column driver receiving passed said stretched clock pulses and driving a column select pulse responsive to each received one of said stretched clock pulses, said column select pulse being wider than a word line select pulse from said word decoder;

a column select selecting a column responsive to said column select pulse; and a write select comprising:

a pulse stretcher stretching clock pulses,

a READ/WRITE decode selectively passing stretched said clock pulses responsive to a write select signal, and

a write driver receiving passed said stretched clock pulses from said READ/WRITE decode and driving a write select pulse responsive to each

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received one of said stretched clock pulses, each said write select pulse being wider than said column select pulse.

32. (original) A CMOS IC as in claim 31, wherein each said pulse stretcher comprises:

a delay receiving said local clock and passing a delayed said local clock, said delay in said write select being longer than said delay in said bit decoder; and a NAND gate receiving said local clock and providing said stretched clock pulses.

- 33. (original) A CMOS IC as in claim 32, wherein each said NAND gate is a 2 input NAND gate and each said delay is a group of series connected inverters.
- 34. (original) A CMOS IC as in claim 33, wherein said delay in said write select is twice as long as said delay in said bit decoder.
- 35. (amended) A CMOS IC as in claim 30, wherein said SRAM cells are 2 port SRAM cells.
- 36. (new) A CMOS bit decoder comprising:
 - a pulse stretcher stretching clock pulses;
- a dynamic bit decode selectively passing stretched said clock pulses responsive to a column address, said dynamic bit decode comprising:

an n bit address decode connected between a decode node and a common source node.

a restore FET connected between a supply and said decode node,
a complementary pair of enable FETs, a first of said complementary pair
being connected between said supply and a decode out of said bit decode, a
second of said complementary pair being connected between a supply return and

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said common source node, the gate of said restore FET and of each of said complementary pair being connected to an output of said pulse stretcher,

a decode out FET connected between said decode out and said enable node, said decode node being connected to the gate of said decode out FET, and

a first pseudo latch FET connected between said supply and said decode node and gated by said decode out; and

a column driver receiving passed said stretched clock pulses and driving said column select pulses responsive to received said stretched clock pulses.

37. (new) A CMOS random access memory (RAM) comprising:

a memory array comprising a plurality of memory cells organized as a plurality of rows and columns;

a word decoder selecting a word line identifying one of said rows responsive to a memory location access request;

a bit decoder providing column select pulses responsive to said memory location access request said bit decoder comprising:

a pulse stretcher stretching clock pulses,

a dynamic bit decode selectively passing stretched said clock pulses responsive to a column address said dynamic decode comprising:

an n bit address decode connected between a decode node and a common source node,

a restore FET connected between a supply and said decode node,
a complementary pair of enable FETs, a first of said
complementary pair being connected between said supply and a decode
out of said bit decode, a second of said complementary pair being
connected between a supply return and said common source node, the gate
of said restore FET and of each of said complementary pair being
connected to an output of said pulse stretcher,

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a decode out FET connected between said decode out and said enable node, said decode node being connected to the gate of said decode out FET, and

a first pseudo latch FET connected between said supply and said decode node and gated by said decode out, and

a column driver receiving passed said stretched clock pulses from said bit decode and driving said column select pulses responsive to received said stretched clock pulses;

a column select selecting a column responsive to said column select pulses; and a write select selectively providing write select pulses, said write select pulses being wider than corresponding said column select pulses.